

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: M116124
Date Received: 04/05/07
Date Extracted: 04/09/07
Date Analyzed: 04/09/07
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: PO# M116124, F&BI 704055
Lab ID: 704055-01 x10
Data File: 704055-01 x10.075
Instrument: ICPMS1
Operator: HR

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	64	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	320
Nickel	205
Copper	95.8
Zinc	53.6

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Method Blank
Date Received: Not Applicable
Date Extracted: 04/09/07
Date Analyzed: 04/09/07
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: PO# M116124, F&BI 704055
Lab ID: I7-121 mb
Data File: I7-121 mb.034
Instrument: ICPMS1
Operator: HR

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	89	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Nickel	<1
Copper	<1
Zinc	<5

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

Date of Report: 04/12/07

Date Received: 04/05/07

Project: Metro Self Monitor, PO# M116124, F&BI 704055

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR TOTAL METALS USING EPA METHOD 200.8**

Laboratory Code: 703324-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	<1	<1	nm	0-20
Nickel	ug/L (ppb)	<1	1.07	nm	0-20
Copper	ug/L (ppb)	1.85	1.81	2	0-20
Zinc	ug/L (ppb)	8.15	7.97	2	0-20

Laboratory Code: 703324-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	<1	94	50-150
Nickel	ug/L (ppb)	20	<1	98	50-150
Copper	ug/L (ppb)	20	1.85	91	50-150
Zinc	ug/L (ppb)	50	8.15	91	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	91	70-130
Nickel	ug/L (ppb)	20	98	70-130
Copper	ug/L (ppb)	20	94	70-130
Zinc	ug/L (ppb)	50	88	70-130

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

704055

SAMPLE CHAIN OF CUSTODY

ME 04/05/07

A14

Send Report To GERARD Thompson
 Company ALASKAN COPPER WORKS
 Address 628 S. Harbor St
 City, State, ZIP Seattle WA 98134
 Phone # 206-571-6033 Fax # 206-382-4309

SAMPLERS (signature)

PROJECT NAME/NO.

MSTO Self monitor

PO #

M116124

REMARKS

Please Fax Results

Page # _____ of _____

TURNAROUND TIME

☐ Standard (2 Weeks)☒ RUSH 9 days

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS					
M116124	01	4/5/06	10:00	H ₂ O	1											

Friedman & Bruya, Inc.
 3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

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FORMS\COC\COC.DOC

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>GERARD Thompson</u>	GERARD A. Thompson	ACW	4/5/07	11:06
Received by: <u>M. Phan</u>	Nhan Phan	FBI	4/5/07	11:06
Relinquished by:				
Received by:				

Samples received at 19 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
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Seattle, WA 98119-2029
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e-mail: fbi@isomedia.com

April 12, 2007

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on April 5, 2007 from the Metro Self Monitor, PO# M116124, F&BI 704055 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU0412R.DOC